

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/051153

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01J65/04 F21S8/00 F21S10/02 H05B35/00 H01J61/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J F21S H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/79334 A (PATENT-TREUHAND-GESELLSCHAFT FUER ELEKTRISCHE GLUEHLAMPEN MBH; SEIBOLD) 28 December 2000 (2000-12-28) abstract page 7, line 3 - page 8, line 27; figures 1,2 page 3, line 24 - page 4, line 11 -----	1,5-7
Y		2-4
X	WO 02/50807 A (PATENT-TREUHAND-GESELLSCHAFT FUER ELEKTRISCHE GLUEHLAMPEN MBH; CUSTODI) 27 June 2002 (2002-06-27) abstract page 8, line 8 - line 16; claim 4; figures 3,4 page 6, line 8 - line 11 ----- -/--	1,5-7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search

26 April 2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05, 30 April 1998 (1998-04-30) - & JP 10 003887 A (MITSUBISHI ELECTRIC CORP), 6 January 1998 (1998-01-06) abstract; figures 1-3 paragraph '0046! -----	1,2,5-7
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06, 28 June 1996 (1996-06-28) & JP 08 031213 A (SONY CORP), 2 February 1996 (1996-02-02) abstract; figure -----	1
Y	EP 1 116 989 A (PHILIPS CORPORATE INTELLECTUAL PROPERTY GMBH; KONINKLIJKE PHILIPS ELEC) 18 July 2001 (2001-07-18) paragraph '0027! - paragraph '0030!; tables 1-4 -----	2-4
Y	WO 02/103748 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; PHILIPS CORPORATE INTELLECTUAL PR) 27 December 2002 (2002-12-27) page 6, line 4 - line 30 -----	2-4
Y	US 6 380 669 B1 (ZACHAU MARTIN ET AL) 30 April 2002 (2002-04-30) column 2, line 49 - column 4, line 52; table 1 -----	2-4
Y	US 2002/047510 A1 (BECHTEL HANS-HELMUT ET AL) 25 April 2002 (2002-04-25) paragraph '0025!; claims 4,8 -----	2,3
Y	WO 03/046935 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; PHILIPS CORPORATE INTELLECTUAL PR) 5 June 2003 (2003-06-05) page 4, line 31 - line 33 -----	2
Y	PATENT ABSTRACTS OF JAPAN vol. 006, no. 127 (C-113), 13 July 1982 (1982-07-13) & JP 57 051783 A (TOSHIBA CORP), 26 March 1982 (1982-03-26) abstract -----	4

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International Application No

PCT/IB2004/051153

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0079334	A	28-12-2000	DE 19927791 A1 CA 2340762 A1 WO 0079334 A1 EP 1105769 A1 JP 2003502715 T TW 591302 B US 6734841 B1	21-12-2000 28-12-2000 28-12-2000 13-06-2001 21-01-2003 11-06-2004 11-05-2004
WO 0250807	A	27-06-2002	DE 10063931 A1 AT 276567 T CA 2431992 A1 CN 1554080 A WO 0250807 A2 DE 50103682 D1 EP 1344208 A2 JP 2004515901 T US 2004061420 A1	04-07-2002 15-10-2004 27-06-2002 08-12-2004 27-06-2002 21-10-2004 17-09-2003 27-05-2004 01-04-2004
JP 10003887	A	06-01-1998	NONE	
JP 08031213	A	02-02-1996	NONE	
EP 1116989	A	18-07-2001	DE 10001188 A1 EP 1116989 A2 JP 2001242459 A TW 574568 B US 2001043294 A1	19-07-2001 18-07-2001 07-09-2001 01-02-2004 22-11-2001
WO 02103748	A	27-12-2002	DE 10129464 A1 CN 1541402 A EP 1428241 A1 WO 02103748 A1 JP 2004531033 T US 2004169456 A1	02-01-2003 27-10-2004 16-06-2004 27-12-2002 07-10-2004 02-09-2004
US 6380669	B1	30-04-2002	EP 0932185 A1 CA 2281761 A1 WO 9934403 A1 EP 0976143 A1 HU 0001734 A2	28-07-1999 08-07-1999 08-07-1999 02-02-2000 28-09-2000
US 2002047510	A1	25-04-2002	DE 10043530 A1 CN 1342991 A EP 1187167 A1 JP 2002175763 A	14-03-2002 03-04-2002 13-03-2002 21-06-2002
WO 03046935	A	05-06-2003	DE 10158273 A1 AU 2002348865 A1 EP 1451838 A2 WO 03046935 A2 US 2005017626 A1	18-06-2003 10-06-2003 01-09-2004 05-06-2003 27-01-2005
JP 57051783	A	26-03-1982	JP 1517622 C JP 63066877 B	07-09-1989 22-12-1988